

WHAT IS CLAIMED IS:

- 1 1. An optical connector, comprising:
2 a light emitting module, emitting an optical signal;
3 an optical fiber, propagating the optical signal; and
4 a lens sleeve, interposed between the light emitting module and the
5 optical fiber so as to optically connect the light emitting module and the optical
6 fiber,
7 wherein the light emitting module includes a light emitting element
8 having a small emission angle.
- 1 2. The optical connector as set forth in claim 1, wherein the emission
2 angle of the light emitting element is in the range of between 15 degrees and
3 25 degrees.
- 1 3. The optical connector as set forth in claim 1, wherein the optical fiber
2 is movable relative to the lens sleeve within a predetermined range of a gap.
- 1 4. The optical connector as set forth in claim 2, wherein the emission
2 angle of the light emitting element is around 18 degrees.
- 1 5. The optical connector as set forth in claim 1, wherein the optical fiber
2 includes a glass fiber.
- 1 6. The optical connector as set forth in claim 1, wherein the light emitting

- 2 element includes at least one of a resonant cavity light emitting diode, a
- 3 vertical cavity surface emitting laser and a laser diode.